Attach. #2

Form PTO-1449 (REV. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 40174	SERIAL NO. 09/559,327
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT: Mathew During	
		FILING DATE 27 April 2000	GROUP 1633 1635 Not yet assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
MP	P1	4,797,368	01/10/89	Carter *et al.*	435	320.1	
↓	P2	5,139,941	08/18/93	Muzyczcka *et al.*	435	172.3	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
MP	F1	DE 4219626 A1	16.06.92	Germany				
	F2	0 488528 B1	03.06.92	EPO				
	F3	0 592836 A1	20.04.94	EPO				
	F4	WO 91/18088	28.11.91	PCT				
	F5	WO 93/09239	13.05.93	PCT				
	F6	WO 93/24641	09.12.93	PCT				
↓	F7	WO 94/13788	23.06.94	PCT				

OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

MP	D1	Bosselman *et al*, "Replication-Defective Chimeric Helper Proviruses and Factors Affecting Generation of Competent Virus: Expression of Moloney Murine Leukemia Virus Structural Genes via the Metallothionein Promoter", *Molecular and Cellular Biology*, 7(5):1797-1806 (May 1987)
	D2	Carter, "Adeno-Associated Virus Vector", *Current Opinion in Biotechnology*, 3(5):533-539 (October 1992)
↓	D3	Flotte *et al*, "Expression of the Cystic Fibrosis Transmembrane Conductance Regulator from a Novel Adeno-Associated Virus Promoter", *J. Biol. Chem.*, 268(5):3781-3790 (February 1993)

EXAMINER	DATE CONSIDERED
	3-26-01

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OTHER PUBLICATIONS (including Author, Title, Dat , Pertinent Pag s, Etc

MP	D4	Friedmann, "Gene Therapy for Disorders of the CNS" *Gene Therapy*, 1(Supplement 1), Pages S47-S48 (August 1993)
	D5	Hermonant and Muzyczka, "Use of Adeno-Associated Virus as a Mammalian DNA Cloning Vector: Transduction of Neomycin Resistance Into Mammalian Tissue Culture Cells", *Proc. Natl. Acad. Sci.*, 81:6466-6470 (October 1984)
	D6	Lebkowski *et al*, "Adeno-Associated Virus: a Vector System for Efficient Introduction and Integration of DNA Into a Variety of Mammalian Cell Types" *Molecular and Cellular Biology*, 8(10):3988-3996 (October 1988)
	D7	Laughlin *et al*, "Cloning of Infectious Adeno-Associated Virus Genomes in Bacterial Plasmids", *Gene*, 23:65-73 (1983)
	D8	McLaughlin et at., "Adeno-Associated Virus General Transduction Vectors: Analysis of Proviral Structures", *J. of Virology*, 62(6):1963-1973 (June 1988)
	D9	Mendelson *et al*, "Expression and Rescue of a Nonselected Marker from an Integrated AAV Vector", *Virology*, 166:154-165 (1988)
	D10	Miller *et al*, "Factors Involved in Production of Helper Virus-Free Retrovirus Vectors", *Somatic Cell and Molecular Genetics*, 12(2):175-183 (1986)
	D11	Ohi *et al*, "Construction and Characterization of Recombinant Adeno-Associated Virus Genome Containing Human Beta-Globin cDNA", *Journal of Cell Biology*, 107(6), Part 3, Page 304A, Abstract No. 1713 (December 1988)
	D12	Ohi *et al*, "Construction and Replication of an Adeno-Associated Virus Expression Vector that Contains Human β-Globin cDNA", *Gene*, 89:279-282 (1990)
	D13	Ohi et al., "Construction of Recombinant Adeno-Association Virus that Harbors Human Beta-Globin cDNA", *J. Cell. Biochem.*, Supplement 14A, Abstract D422 (1990)
	D14	Ohi *et al*, "Production and Expression of Recombinant Adeno-Associated Viruses Harboring Human Beta-Globin cDNA", *FASEB J.*, 4(7):A2288, Abstract No. 3438 (1990)
	D15	Ohi *et al*, "Synthesis of a Human Beta-Globin in the Recombinant Adeno-Associated Virus-Infected Cells: Towards Gene Therapy of Hemoglobinopathies", Experimental Hematology, 20(1):119, Abstract No. 56 (1992)

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OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

MP	D16	Ruffing et al., "Assembly of Viruslike Particles by Recombinant Structural Proteins of Adeno-Associated Virus Type 2 in Insect Cells, *Journal of Virology*, 66(12):6922-6930 (December 1992)
	D17	Samulski, "Adeno-Associated Virus-Based Vectors for Human Gene Therapy", *Gene Therapy From Laboratory to the Clinic*, Chapter 11, Pages 232-271 (1994),
	D18	Samulski, "Adeno-Associated Viral Vectors", Virus in Human Gene Therapy, Chapter 3, Pages 53-76 (1995)
	D19	Samulski *et al.*, "Cloning of Adeno-Associated Virus into pBR322: Rescue of Intact Virus from the Recombinant Plasmid in Human Cells" *Proc. Natl. Acad. Sci.*, 79:2077-2081 (March 1982)
	D20	Samulski *et al*, "Helper-Free Stocks of Recombinant Adeno-Associated Viruses: Normal Integration Does Not Require Viral Gene Expression", *Journal of Virology*, 63(9)3822-3828 (September 1989)
	D21	Samulski *et al*, "Rescue of Adeno-Associated Virus from Recombinant Plasmids:Gene Correction Within the Terminal Repeats of AAV", *Cell*, 33:135-143 (May 1983)
	D22	Samulski, "Targeted Integration of Adeno-Associated Virus (AAV) Into Human Chromosome 19", *EMBO J.*, 10(12):3941-3950 (1991)
	D23	Senapathy *et al*, "Replication of Adeno-Associated Virus DNA, Complementation of Naturally Occurring repMutants by a Wild-Type Genome or an oriMutant and Correction of Terminal Palindrome Deletions", *J. Mol. Biol.*, 178,179:1-20 (1984)
	D24	Shaughnessy *et al*, "Adeno-Associated Virus Vectors for MDR-1 Gene Therapy", *Proceedings of the American Association for Cancer Research*, 35:373, Abstract No. 2223 (March 1994)
↓	D25	Sitaric *et al*, "Production of a Helper-Free Recombinant Adeno-Associated Virus that Harbors Human Beta-Globin cDNA", *FASEB J.*, 5(6):A1550, Abstracts Part III, Abstract No. 6843 (March 1991)

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		FILING DATE 27 April 2000	GROUP 1639 1635 Not yet assigned

OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

MP	D26	Srivastava *et al*, "Construction of a Recombinant Human Parvovirus B19: Adeno-Associated Virus 2 (AAV) DNA Inverted Terminal Repeats are Functional in an AAV-B19 Hybrid Virus", *Proc. Natl. Acad. Sci.*, 86:8078-8082 (October 1989)
	D27	Tenenbaum and Hooghe-Peters, "Adeno-Associated Virus (AAV) as a Vector for Gene Transfer Into Glial Cells of the Human Central Nervous System", *Gene Therapy*, 1(Supplement 1), Page S80 (1993)
	D28	Tratschin *et al*, "A Human Parvovirus, Adeno-Associated Virus, as a Eucaryotic Vector: Transient Expression and Encapsidation of the Procaryotic Gene for Chloramphenicol Acetyltransferase", *Molecular and Cellular Biology*, 4(10):2072-2081 (October 1984)
	D29	Tratschin *et al*, "Genetic Analysis of Adeno-Associated Virus: Properties of Deletion Mutants Constructed In Vitro and Evidence for an Adeno-Associated Virus Replication Function", *J. of Virology*, 51(3):611-619 (September 1984)
	D30	Tratschin *et al.*, "Adeno-Associated Virus Vector for High-Frequency Integration, Expression, and Rescue of Genes in Mammalian Cells" *Molecular Cellular Biology*, 5(11):3251-3260 (November 1985)
	D31	Walsh *et al*, "Gene Transfer and High Level Expression of a Human Gamma Globin Gene Mediated by a Novel Adeno-Associated Virus (AAV) Vector, *Clinical Research*, Volume 39, No. 2, Abstract No. 325A (1991)
	D32	Wong *et al*, "High Efficiency Gene Transfer Into Growth Arrested Cells Utilizing an Adeno-Associated Virus (AAV)-Based Vector", *Blood*, 82(10) Supplement 1, Page 302a, Abstract No. 1195 (November 1993)
	D33	
	D34	
V	D35	

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	APPLICANT Matthew J. During	
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MP		5 4 7 8 7 4 5	12/26/95	Samulski et al.	435	320.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

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		Soriano-Brucher H, Lau T, Hourigan T, Finegold M, Ledley F, Henning SJ, "Gene transfer into the intestinal epithelium. Gastroenterology 100:A252
		Orkin SH, Motulsky AG, "Report and recommendations of the panel to assess the NIH investment in research on gene therapy
		Chang AGY, Wu GY, "Gene Therapy: Applications to the treatment of gastrointestinal and liver diseases. Gastroenterology 106: 1076-1084
		Lebkowski JS, McNally MM, Okarma TB, Lerch LB, "Adeno-associated virus: A vector system for efficient introduction and integration of DNA into a variety of mammalian cell types. Mol. and Cell. Biol. 8: 3988-3996

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